

**IN THE ABSTRACT:**

Please replace the abstract with the following:

**ABSTRACT OF THE DISCLOSURE**

A full-jacket helical conveyor centrifuge including a rotatably disposed drum and a drive device for the drum. The drive device for the drum includes at least one electromechanical direct drive having secondary elements arranged on the outer periphery of the drum or on the outer periphery of a part non-rotatably connected with the drum. Primary elements are arranged radially outside the secondary elements at a distance from the secondary elements and without contact. A propulsion force is generated by an electromagnetic field of travelling waves.